

IN THE CLAIMS:

Please cancel Claims 3, 17, and 18 without prejudice to or disclaimer of the subject matter presented therein.

Please amend Claims 1, 13, 16, 27, 29, 30, 32 and 33 as follows.

1. (Currently Amended) An information processing system in which a plurality of information processing apparatuses are connected through a network, at least one of the plurality of information processing apparatuses comprising:

first adding means for adding first additional information to input information
[[by]] as an electronic watermark using a first adding method; and

second adding means for adding second additional information to the input information
[[by]] as an electronic watermark using a second adding method,

wherein the first adding method has a higher robustness than the second adding method and

wherein the first additional information can be used for identifying the second adding method.

2. (Original) An information processing system according to Claim 1, further comprising communication means for communicating among the plurality of information processing apparatuses when said first adding means and said second adding means are provided for different information processing apparatuses.

3. (Cancelled)

4. (Original) An information processing system according to Claim 1, wherein the first additional information can be used for identifying each information processing apparatus on the network.

5. (Original) An information processing system according to Claim 1, wherein the second adding method is different from the first adding method.

6. (Original) An information processing system according to Claim 1, wherein the second additional information is unlikely to reduce the quality of the input information or is information which people are unlikely to perceive.

7. (Original) An information processing system according to Claim 1, wherein the second additional information is larger in amount than the first additional information.

8. (Original) An information processing system according to Claim 1, wherein the second adding method is the same as the first adding method.

9. (Original) An information processing system according to Claim 1, wherein the first adding method uses confidential information common to the plurality of information processing apparatuses.

10. (Original) An information processing system according to Claim 9, wherein the confidential information is the position of the first additional information or the amount of change against the first additional information.

11. (Original) An information processing system according to Claim 1, wherein the information processing apparatus further comprises first and second extracting means for extracting the first and second additional information, respectively, from the input information to which the first and second additional information has been added.

12. (Original) An information processing system according to Claim 11, wherein, before additional information is added to the input information by the use of said first or second adding means, whether additional information has been added to the input information is checked by the use of the first or second extracting means corresponding to the first or second adding means.

13. (Currently Amended) An information processing system in which a plurality of information processing apparatuses are connected through a network, at least one of the plurality of information processing apparatuses comprising:

first extracting means for extracting first additional information added as an electronic watermark using a first adding method from input information by a first extracting method; and

second extracting means for extracting second additional information added as an electronic watermark using a second adding method from the input information by a second extracting method identified by the extracted first additional information;

wherein the first adding method has a higher robustness than the second adding method and

wherein the first additional information can be used for identifying the second adding method.

14. (Original) An information processing system according to Claim 13, further comprising communication means for communicating among the plurality of information processing apparatuses when said first adding means and said second adding means are provided for different information processing apparatuses.

15. (Original) An information processing system according to Claim 13, wherein the information processing apparatus further comprises determination means for determining that an attack has been made to the input information when only the first or the second additional information is extracted, and that the input information has no additional information when neither the first nor the second additional information is extracted.

16. (Currently Amended) An information processing apparatus comprising:
first adding means for adding first additional information to input information at a high robustness [[by]] as an electronic watermark using a first adding method; and

second adding means for adding second additional information to the input information [[by]] as an electronic watermark using a second adding method and wherein the first additional information can be used for identifying the second adding method.

17. (Cancelled)

18. (Cancelled)

19. (Original) An information processing apparatus according to Claim 16, wherein the second adding method is different from the first adding method.

20. (Original) An information processing apparatus according to Claim 16, wherein the second additional information is unlikely to reduce the quality of the input information or is information which people are unlikely to perceive.

21. (Original) An information processing apparatus according to Claim 16, wherein the second additional information is larger in amount than the first additional information.

22. (Original) An information processing apparatus according to Claim 16, wherein the second adding method is the same as the first adding method.

23. (Original) An information processing apparatus according to Claim 16, wherein the first adding method uses confidential information common to the plurality of information processing apparatuses on the network.

24. (Original) An information processing apparatus according to Claim 23, wherein the confidential information is the position of the first additional information or the amount of change against the first additional information.

25. (Original) An information processing apparatus according to Claim 16, further comprising first and second extracting means for extracting the first and second additional information, respectively, from the input information to which the first and second additional information has been added.

26. (Original) An information processing apparatus according to Claim 25, wherein, before additional information is added to the input information by the use of said first or second adding means, whether additional information has been added to the input information is checked by the use of the first or second extracting means corresponding to the first or second adding means.

27. (Currently Amended) An information processing apparatus comprising:
first extracting means for extracting first additional information added as an electronic watermark using a first adding method from input information from input information by a first extracting method; and

second extracting means for extracting second additional information added as an electronic watermark using a second adding method from the input information by a second extracting method identified by the extracted first additional information;
wherein the first adding method has a higher robustness than the second adding method and
wherein the first additional information can be used for identifying the second adding method.

28. (Original) An information processing apparatus according to Claim 27, further comprising determination means for determining that an attack has been made to the input information when only the first or the second additional information is extracted, and that the input information has no additional information when neither the first nor the second additional information is extracted.

29. (Currently Amended) An information processing method comprising:
a first adding step of adding first additional information to input information at a high robustness [[by]] as an electronic watermark using a first adding method; and
a second adding step of adding second additional information to the input information [[by]] as an electronic watermark using a second adding method and
wherein the first additional information can be used for identifying the second adding method.

30. (Currently Amended) An information processing method comprising:

a first extracting step of extracting first additional information added as an electronic watermark using a first adding method from input information by a first extracting method; and

a second extracting step of extracting second additional information added as an electronic watermark using a second adding method from the input information by a second extracting method;

wherein the first adding method has a higher robustness than the second adding method and

wherein the first additional information can be used for identifying the second adding method.

31. (Original) An information processing method according to Claim 30, further comprising a determination step of determining that an attack has been made to the input information when only the first or the second additional information is extracted, and that the input information has no additional information when neither the first nor the second additional information is extracted.

32. (Currently Amended) A computer-readable recording medium for storing a program, the program comprising:

a first adding step of adding first additional information to input information

[[at]] as an electronic watermark using a high robustness; and

a second adding step of adding second additional information [[to]] as an electronic watermark using the input information.

33. (Currently Amended) A computer-readable recording medium for storing a program, the program comprising:

a first extracting step of extracting first additional information added as an electronic watermark using a first adding method from input information;

an identifying step of identifying an extracting method by the extracted first additional information; and

a second extracting step of extracting second additional information added as an electronic watermark using a second adding method from the input information by the identified extracting method;

wherein the first adding method has a higher robustness than the second adding method and

wherein the first additional information can be used for identifying the second adding method.